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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION		n of Transmittal of International				
017750-812			camination Report (Form PCT/IPEA/416)				
International application No.	International filing date (day/mo	onth/year)	Priority date (day/month/year)				
PCT/US03/25878	20 August 2003 (20.08.2003)		20 August 2002 (20.08.2002)				
International Patent Classification (IPC) or national classification and IPC							
IPC(7): H01J 7/24 and US Cl.: 250/238, 221, 216, 338.4: 343/850; 505/1, 847, 848, 849							
Applicant							
LOCKHEED MARTIN CORPORATION							
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 							
2. This REPORT consists of a total of $\frac{1}{2}$ sheets, including this cover sheet.							
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).							
These annexes consist of	a total of Osheets.						
3. This report contains indicate	ations relating to the following	items:					
I Basis of the rep	oort						
II Priority							
III Non-establishm	ent of report with regard to no	ovelty, inventive	step and industrial applicability				
IV Lack of unity o	f invention						
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
VI Certain docume	VI Certain documents cited						
VII Certain defects	VII Certain defects in the international application						
VIII Certain observations on the international application							
Date of submission of the demand	Dat	e of completion	of this report				
22 March 2004 (22.03.2004)	21 I	21 December 2004 (21.12.2004)					
Name and mailing address of the IPEA/	US Aut	horized officer	Q 1-(1/01)				
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	Qu	Que T. Le					
P.O. Box 1450 Alexandria, Virginia 22313-1450		phone No. (703)	308-0956				
Facsimile No. (703)305-3230 Form PCT/IPEA/409 (cover sheet)(July 1998)							



International application No.	
PCT/US03/25878	

I.	Bas	is of the report
1.	With	regard to the elements of the international application:*
	\boxtimes	the international application as originally filed.
	\boxtimes	the description:
		pages 1-7 as originally filed
		pages NONE, filed with the demand pages NONE, filed with the letter of
	\square	the claims:
	لحكا	pages 8-10 , as originally filed
		pages NONE, as amended (together with any statement) under Article 19
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
		the drawings:
		pages 1, as originally filed pages NONE, filed with the demand
		pages NONE, filed with the letter of
		the sequence listing part of the description:
		pages NONE , as originally filed
		pages NONE, filed with the demand pages NONE, filed with the letter of
2.	Witl	regard to the language, all the elements marked above were available or furnished to this Authority in the
	lang	uage in which the international application was filed, unless otherwise indicated under this item.
	Thes	e elements were available or furnished to this Authority in the following language which is:
	Ц	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	Ш	the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination(under Rules
		55.2 and/or 55.3).
3.	With	n regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
	Ħ	filed together with the international application in computer readable form.
	П	furnished subsequently to this Authority in written form.
	Ħ	furnished subsequently to this Authority in computer readable form.
	Ħ	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
	 J	international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing
		has been furnished.
4.	\boxtimes	The amendments have resulted in the cancellation of:
		the description, pages none
		the claims, Nos. none
		the drawings, sheets/ fig none
5.		
		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
this	repoi	ement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in It as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
** /	Any re	eplacement sheet containing such amendments must be referred to under item I and annexed to this report.



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International app......ion No. PCT/US03/25878

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1. STATEMENT						
Novelty (N)	Claims	1-16	YES			
11010163 (11)	Claims		NONO			
Inventive Step (IS)	Claims	1-16	YESYES			
	Claims	NONE	NO			
Industrial Applicability (IA)	Claims		YES			
	Claims	NONE	NO			
connection connected the region and the circuit for cenergy absorbed from the antenna. Claims 1-16 meet the criteria set out in PCT Article claimed can be made or used in industry.						